

From akasbb1@peabody.sct.ucarb.com Wed Dec 21 08:47:12 1994
Return-Path: <akasbb1@peabody.sct.ucarb.com>
Received: from peabody.sct.ucarb.com by dptspd.sat.datapoint.com with smtp
(Smail3.1.28.1 #3) id m0rKSJp-0000uFC; Wed, 21 Dec 94 08:47 CST
Received: from [140.170.164.187] by peabody.sct.ucarb.com (AIX 3.2/UCB 5.64/4.03)
id AA11833; Wed, 21 Dec 1994 09:37:01 -0500
Message-Id: <9412211437.AA11833@peabody.sct.ucarb.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 21 Dec 1994 09:38:53 -0500
To: ablock@nubis.rutgers.edu, dalpert@merle.acns.nwu.edu, daxenos@bu.edu,
"David P. Worrall" <70214.2530@CompuServe.COM>, Emmet2@aol.com,
heyu@aol.com, jan@archimedes.chinalake.navy.mil,
kb2ear@kb2ear.overleaf.com, rbarris@quicksilver.com,
sdimse@umbio.med.miami.edu (Steven S. Dimse), skou@inel.gov,
thayes@hardees.rutgers.edu, tstader@aol.com, wolft@dbisna.com,
wpmichel@srp.gov, ka6eyh@muncey.com, wannamaker@macnet.vpharm.com,
kc6rol@amsat.org, 72170.30@compuserve.com, delta2@infi.net,
castonj@ireq.hydro.qc.ca, lipson@ctobbs.com, rrucker@mitre.org,
rewing@mitre.org, DwainM7367@aol.com,
"Joe Moell" <joemoell@cup.portal.com>, gpotter@collabra.com,
74736.3171@compuserve.com,
Richard H Inacker <inacker@pogo.den.mmc.com>, aprssig@tapr.org
From: akasbb1@peabody.sct.ucarb.com (Keith Sproul)
Subject: MacAPRS 1.1.0 Update

MacAPRS 1.1.0 is now out.

It has a major new feture. The MAP menu is now HEIRARCHICAL. If you have FOLDERS in you MAPS folder, it will create a HERIRACHICAL menu with that folder name

MacAPRS 1.1.0 is now up on ftp.ucsd.edu in the directory
hamradio/packet/tcpip/incoming.

MacAPRS is also available in PowerPC native version for the PowerMacs. If you have a PowerMac and would like this version, please send me E-Mail and I will get it to you.

APRS for the PC, version 6.2 is also on this same FTP site.

Keith Sproul

Keith Sproul	Amateur Radio: WU2Z
Union Carbide Corp	Home Address:
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Work: 908 563-5389	akasbb1@peabody.sct.ucarb.com
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Home: 908 821-4828	AppleLink: Sproul.K

From griff@SSD.intel.com Thu Dec 22 15:12:28 1994
Return-Path: <griff@SSD.intel.com>
Received: from SSD.intel.com by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rKuoE-0001SyC; Thu, 22 Dec 94 15:12 CST
Received: from bungee.SSD.intel.com by SSD.intel.com (4.1/SMI-4.1)
id AA29308; Thu, 22 Dec 94 13:12:20 PST
Received: by bungee.SSD.intel.com (4.1/SMI-4.1)
id AA08016; Thu, 22 Dec 94 13:12:10 PST
From: Thomas Griffin - x7792 <griff@SSD.intel.com>
Message-Id: <9412222112.AA08016@bungee.SSD.intel.com>
Subject: Need help with APRS 6.2a and MFJ-1270B
To: aprssig@tapr.org
Date: Thu, 22 Dec 1994 13:12:09 -0800 (PST)
Cc: griff@SSD.intel.com (Thomas Griffin - x7792)
X-Mailer: ELM [version 2.4 PL21]
Content-Type: text
Content-Length: 1412

Let's see if anyone is listening to this mailing list yet...

I have APRS 6.2a for DOS that I am trying to get working with my MFJ-1270B. The TNC was originally a MFJ-1270 that I upgraded to a "B" and has the TAPR 1.1.8 firmware.

When APRS talks to the TNC all I see is garbage from the TNC. If I use Procomm I can talk to the TNC without any problems. In Procomm I am using 9600 baud, no parity, 7 data bits, and 2 stop bits. If I use 8 data bits in Procomm I see the same garbage as I see with APRS. Everything works fine if I use an AEA PK-232MBX TNC.

I used the DOS "mode" command to set the communication parameters before starting APRS, but I still get garbage. Is APRS setting the com port to 8 bits? Perhaps there is something I need to set in the TNC? The dip switches on the TNC can only set the radio and serial port baud rates.

Does anyone know how to contact the APRS author (Bob Brininga, WB4APR) via the Internet? I don't think it would be appropriate to discuss this via Packet radio since Bob is selling APRS as shareware.

I wanted to give APRS a try while I'm on vacation for two weeks starting 12/24. Does anyone know if there is much APRS activity in the Rochester, NY or Boston, MA areas? I haven't found any APRS activity in Portland, OR.

Any help will be greatly appreciated!

Thomas (Griff) Griffin, N7ZKL
griff@ssd.intel.com Internet
n7zkl@k7iqi.or.usa.noam Packet
From schwarm@spectre.mitre.org Thu Dec 22 15:37:57 1994
Return-Path: <schwarm@spectre.mitre.org>
Received: from mbunix.mitre.org by dptspd.sat.datapoint.com with smtp

(Smail3.1.29.1 #5) id m0rKvCr-0001N3C; Thu, 22 Dec 94 15:37 CST
Received: from spectre.mitre.org (spectre.mitre.org [129.83.61.124]) by
mbunix.mitre.org (8.6.9/8.6.9) with ESMTP id QAA21594 for <aprssig@tapr.org>; Thu,
22 Dec 1994 16:37:53 -0500
Received: from localhost (schwarm@localhost) by spectre.mitre.org (8.6.4/8.6.4) id
QAA18482 for aprssig@tapr.org; Thu, 22 Dec 1994 16:37:53 -0500
Date: Thu, 22 Dec 1994 16:37:53 -0500
From: Steve Schwarm <schwarm@spectre.mitre.org>
Message-Id: <199412222137.QAA18482@spectre.mitre.org>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2] Need help with APRS 6.2a and MFJ-1270B

> When APRS talks to the TNC all I see is garbage from the TNC. If I use
> Procomm I can talk to the TNC without any problems. In Procomm I am
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> data bits in Procomm I see the same garbage as I see with APRS. Everything
> works fine if I use an AEA PK-232MBX TNC.

Your problem is the 2 stop bits. All data rates over 110 bit/sec.
use one stop bit. Procomm should be set to no parity, 8 data
bit and 1 stop bit. This is also true for APRS.

Stephen(Steve) Schwarm, W3EVE
Principal
The MITRE Corp.
202 Burlington Rd MS B155
Bedford, MA 01730
(617)271-4600
FAX: (617)271-4686
Schwarm@mitre.org
Packet: W3EVE @ K1UGM.#EMA.MA.USA.NA

From imotion@iu.net Thu Dec 22 16:21:55 1994
Return-Path: <imotion@iu.net>
Received: from bb.iu.net by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rKvtR-0000dYC; Thu, 22 Dec 94 16:21 CST
Received: from bb.iu.net (netport-24.iu.net [198.69.25.224]) by bb.iu.net
(8.6.9/8.6.9) with SMTP id RAA22022 for <aprssig@tapr.org>; Thu, 22 Dec 1994
17:26:46 -0500
Message-Id: <199412222226.RAA22022@bb.iu.net>
X-Sender: imotion@iu.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 22 Dec 1994 17:18:18 -0500
To: aprssig@tapr.org
From: imotion@iu.net (Howard Goldstein)
Subject: Re: [APRSSIG:2] Need help with APRS 6.2a and MFJ-1270B

Thomas Griffin - x7792 <griff@SSD.intel.com> writes:

>I used the DOS "mode" command to set the communication parameters before
>starting APRS, but I still get garbage. Is APRS setting the com port to
>8 bits? Perhaps there is something I need to set in the TNC? The dip
>switches on the TNC can only set the radio and serial port baud rates.

Set AWLEN 8, PARITY 0, and cycle power to the TNC.

I don't know why we're still shipping TAPR code with 7/E. At the time, it was standard for many dialup systems. In that this is 1994, does anyone see a problem with future releases set for 8/N like all modern TNCs?

Howie imotion@iu.net

From gfuller@netcom.com Thu Dec 22 16:25:01 1994
Return-Path: <gfuller@netcom.com>
Received: from netcom16.netcom.com by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rKvWP-0000LNC; Thu, 22 Dec 94 16:24 CST
Received: by netcom16.netcom.com (8.6.9/Netcom)
id OAA04615; Thu, 22 Dec 1994 14:24:49 -0800
Date: Thu, 22 Dec 1994 14:24:48 -0800 (PST)
From: Gordon Fuller <gfuller@netcom.com>
Subject: Re: [APRSSIG:2] Need help with APRS 6.2a and MFJ-1270B
To: aprssig@tapr.org
In-Reply-To: <9412222112.AA08016@bungee.SSD.intel.com>
Message-ID: <Pine.3.89.9412221422.A3475-01000000@netcom16>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It sounds like you have the wrong baud rate for APRS. You might try it with slower rate I had to go to 1200 for one old MFJ. As far as APRS in the NW, I see a lot of HF activity but I am not sure what 2 meter freq. they use up there. We use 145.010 here in N.Cal.

gfuller@netcom.com

On Thu, 22 Dec 1994, Thomas Griffin - x7792 wrote:

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> Packet radio since Bob is selling APRS as shareware.
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> 12/24. Does anyone know if there is much APRS activity in the Rochester, NY
> or Boston, MA areas? I haven't found any APRS activity in Portland, OR.
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> Any help will be greatly appreciated!
>
>
> Thomas (Griff) Griffin, N7ZKL
> griff@ssd.intel.com Internet
> n7zkl@k7iqi.or.usa.noam Packet
>

From mmunster@qualcomm.com Thu Dec 22 17:14:38 1994
Return-Path: <mmunster@qualcomm.com>
Received: from happy.qualcomm.com by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rKwYB-0000v3C; Thu, 22 Dec 94 17:03 CST
Received: from [129.46.12.181] (mmunster-mac.qualcomm.com [129.46.12.181]) by
happy.qualcomm.com (8.6.9/QC-BSD-2.5) with SMTP id OAA25870 for
<aprssig@tapr.org>; Thu, 22 Dec 1994 14:56:34 -0800
X-Sender: mmunster@happy
Message-Id: <ab1fb378500210045ee8@[129.46.12.181]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 22 Dec 1994 14:56:40 -0800
To: aprssig@tapr.org
From: mmunster@qualcomm.com (Marvin Munster x5388)
Subject: Re: [APRSSIG:3] Re: Need help with APRS 6.2a and MFJ-1270B

Ok, I am listening. I signed up to this reflector to find out how APRS works. How do I find out? What do I need to make it work? What kind of software is available? How well does it work? What are some of the practical applications that this has been put to? I have an Icom GPS and would like to put it to some more practical uses. I do a lot of exploring in Baja and this might be a good tool. Especially when we have the portable node working on Mt. Diablo at 9,600 feet (not bps).

Marvin.

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>> Procomm I can talk to the TNC without any problems. In Procomm I am
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>Stephen(Steve) Schwarm, W3EVE
>Principal
>The MITRE Corp.
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>Bedford, MA 01730
>(617)271-4600
>FAX: (617)271-4686
>Schwarm@mitre.org
>Packet: W3EVE @ K1UGM.#EMA.MA.USA.NA

From janderson@ram.net Thu Dec 22 17:40:21 1994
Return-Path: <janderson@ram.net>
Received: from ram.net by dptspd.sat.datapoint.com with smtp
 (Smail3.1.29.1 #5) id m0rKx7D-0000FkC; Thu, 22 Dec 94 17:40 CST
Received: by ram.net (5.65/1.2-eef)
 id AA07120; Thu, 22 Dec 94 18:33:55 -0500
From: janderson@ram.net
To: aprssig@tapr.org
Subject: Re: [APRSSIG:6] Re: Need help with APRS 6.2a and MFJ-1270B
Date: Thu, 22 Dec 94 18:37:33 EST
Message-Id: <01990.15021591@RAMail>
Version: RAMail 2.8h
Location: FAIRFAX/CENTERPOINTE (1048) FAIRFAX, VA

>Ok, I am listening. I signed up to this reflector to find out how APRS
>works. How do I find out? What do I need to make it work? What kind of
>software is available? How well does it work? What are some of the
>practical applications that this has been put to? I have an Icom GPS and
>would like to put it to some more practical uses. I do a lot of exploring
>in Baja and this might be a good tool. Especially when we have the
>portable node working on Mt. Diablo at 9,600 feet (not bps).
>
>Marvin.

APRS is a blast. I am currently using APRS v62B for DOS and love it.

You can use it with or without a GPS.

There is also a MAC version available.

I have both on my landline BBS here in Vienna, VA. There are also some
Internet sites that carry it for FTP but I don't know the systems.

If you're interested, 703/207-9622, APRS62B.ZIP. You'll need a 14k4 modem to
get the whole file. I'll post the ALLABOUT.IT file that comes with the
package...

Jack
N4ULS@ram.net

APRS is the result of my experience over the last 14 years with trying to use packet radio for real-time communications or public service events. Packet radio has great potential but so far has been best used for passing large volumes of message traffic from point to point or into the national distribution system. It has been difficult to apply packet to real time events where information has a very short life time. Typically, several steps are involved in preparing and passing message traffic including decisions about routing and connectivity.

APRS avoids the complexity and limitations of trying to maintain a connected network. It permits any number of stations to participate and exchanges data just like voice users would on a single voice net. Any station that has information to contribute simply transmits it, and all stations receive it and log it. Secondly, APRS recognizes that one of the greatest real-time needs at any special event or emergency is the tracking of key assets. Where is the Event Leader? Where are the emergency vehicles? Where's the fire? Whats the Weather at various points in the County? Where are the power lines down? Where is the flood? Where is the head of the parade? Where are the VIP's? Where is the mobile ATV camera? Where are the mobiles? Where is the hurricane? WHERE IS THE DX???

Included on the distribution disk are several README text files on specific applications of APRS such as for weather nets, direction finding, plotting satellite contacts, and monitoring DX clusters. You must read at least the HELP.txt, DEMOS.txt, NewNotes.txt and README.1st files. APRS accomplishes the real-time display of operational traffic via UI frame broadcasts and map displays. There are three major display subsystems and a number of other minor displays as follows:

LATEST BEACONS - This display maintains a list of the latest UI frame received from each station. In effect, this is a multi-station one-line broadcast message system. Since the lines contain the LATEST time of receipt, this display shows if a station is still on line within the last few minutes. In DX cluster mode, it accumulates a list of all users and what was their latest command to the cluster.

POSITIONS - This display maintains a separate list of the positions of each station. Each position report can also contain a brief comment. These lines show the latest time of receiving a given position report and give an indication of the latency in the network over unreliable paths such as HF. They also contain Beam Heading for Direction Finding, and Weather conditions for weather reporting stations. In DX mode, this list also contains the posits of all DX spots and user-locations heard.

MAPS - Maps to any scale from .5 miles up to 2000 miles can be displayed. Stations are instantly displayed when they transmit a properly formatted position beacon. Stations with a reported course and speed are automatically dead-reckoned to their present position. A complete database of all the National Weather Service stations is built in. You can center the map anywhere in the world. In DX mode the map defaults to the whole world.

TRAFFIC - In addition to the BEACON text which is used to broadcast information to all other stations on the net, there is an operator-to-operator message capability. Any station can send one line messages to any other station. On receipt, the messages are acknowledged and displayed on the bottom of the receiving stations screen until the operator hits the K key to kill them. These messages are ideal for station-to-station comms while remaining within the APRS environment. However, they are not as efficient as the connected protocol, and should not be used routinely for Rag-Chewing on a busy APRS net. To rapidly exchange text, select the COMM option under the OPS menu and use your TNC to connect to the guy.

BULLETINS - This screen is new in version 5.06. It provides the much needed BULLETIN Broadcast capability to keep all stations up to date on happenings and announcements. BULLETINS allow one station to send multiple lines to the BULLETIN page at ALL stations. It is simply a variant of the SEND command noted above, but the send address is BLN# where # is the line number of the BULLETIN line. On receipt, all stations sort the new BLN# lines onto the BULLETIN page so that corrections or replacements are possible.

READ MAIL - This screen shows the last 23 lines of messages exchanged by any stations on the net. Is useful for "READING THE MAIL". DX mode TALK traffic also shows up here.

ALL TRAFFIC LOG - This display is a time sequenced log of every new beacon or one line message sent. Beacons are logged the first time they are received. This is in contrast to the LATEST display which shows the most recent time of receipt of a beacon text. In DX mode, this screen shows a chronological list of all DX/WX/WWV and ANNOUNCEMENTS heard.

HEARD LOG - This display maintains a count of the total number of transmissions from each station per hour. These statistics are ideal for displaying the connectivity of the network over varying paths, such as HF, or to see when stations enter and leave the net.

DIGIPEATER LIST - This display displays the full raw packet header so that APRS users can see what digipeater paths are being used by other stations. The proper use of digipeaters is important in an APRS network. In DX mode, this list accumulates a list of all ACTIVE MESSAGES on the DX cluster.

STATION TRACKING. Although APRS automatically tracks mobile packet stations interfaced to GPS or LORAN navigation, the graphic capability of the maps works perfectly well with manual tracking or with GridSquares. Any station on HF or VHF that includes his GridSquare in brackets as the first text in his beacon text will be plotted by APRS. Additionally, any station can place an object on his map including himself and within seconds that object appears on all other station displays. In the example of a parade, as each checkpoint with packet comes on line, its position is instantly displayed to all in the net. Whenever a station moves, he just updates his position on his map and that movement is transmitted to all other stations. To track other event assets, only one packet operator needs to monitor voice traffic to hear where things are. As he maintains the positions and movements of all assets on his

screen, all other displays running APRS software display the same displays. With version 3.04, there is a Tracking command on the P display that will cause APRS to keep the map display always centered on a selected object.

GRID SQUARES: APRS also plots stations by gridsquares. Because of the ambiguity of a grid-square position report, APRS will not display a four digit or six digit gridsquare report on map ranges less than 128 and 8 miles respectively. Stations reported in the same grid square are randomly offset from the center of the grid according to an algorithm based on the letters of their callsigns. This prevents the cluttering of all callsigns on top of each other in the same grid square. The resulting computed POSIT in the POSITION list is annotated to indicate that the position is approximate. Another advantage of GridSquare reporting in APRS is that it allows cautious people to participate in APRS without revealing their exact location. It is also very brief. Six characters vice seventeen. There is a special ALT-G mode to force your outgoing posit to be sent in GRID SQUARE format vice LAT/LONG. Shortening the packet is an advantage when reporting via MIR or SAREX.

USING DUMB TERMINALS IN AN APRS NETWORK: The simplicity and usefulness of this geographic capability cannot be over stressed. Stations running APRS simply move the cursor to where they think they are on the screen and their LAT/LONG coordinates are automatically transmitted to all other stations. Even the simplest of portable packet stations with dumb terminals can report their positions if they can reasonably interpolate their position on a map. The portable station just looks at the map and enters his LAT/LONG into his beacon text. APRS also plots station positions based on Grid Squares. Eventually, we hope that all stations, no matter how they are using their TNC, will include their LAT/LONG or Grid Square in their Beacon Text so that their location is immediately available. See the PROTOCOL.txt file for details on APRS formats and help in using dumb terminals in an APRS network.

FREQUENCY COORDINATION: APRS makes an excellent mapping tool for frequency coordination. Separate APRS backup files can be maintained for each digital frequency. These files can be distributed via BBS's in the area, and stations can simply load these files into APRS and see where ALL stations are on all frequencies! Not only does this help the frequency coordinating body, but it also is a way to let users see what is where. See FRQCOORD.txt

SPACE APPLICATIONS: APRS could be a solution to the effective use of orbiting terrestrial style packet radio digipeaters in space such as on the Shuttle, MIR, AO-21 and ARSENE. The problem with space digipeaters is the saturation on the uplink channel which makes the use of a normal CONNECTED protocol impractical. For a CONNECTED contact, a total of five successive and successful packet transmissions are required. Not only does APRS reduce this to one packet, but it also capitalizes on the most fascinating aspect of the amateur radio hobby, and that is the display on a map of the location of those stations. If all stations were encouraged to simply insert their LAT/LONG or Grid Square as the first characters of their beacon text, everyone within the satellite footprint would see the location of every successful uplink. Since the shuttle is a rapidly moving object, the locations of successful uplink stations will move progressively along the ground track. All it would take to implement this capability is a single AMSAT news bulletin to ask all stations to insert their POSITS in their beacon text. No changes onboard the shuttle

or MIR would be required. See SPACE.txt for further details.

FOX HUNTING OR DIRECTION FINDING: APRS is an excellent tool for plotting the location of a hidden transmitter, balloon, or interfering signal. APRS will display the intersection of bearing lines from a number of reporting stations and also overlapping signal strength contours if only signal strengths are reported. Finally, APRS includes the Fade-Circle Search and Rescue technique which can be used by a mobile with only an OMNI antenna to locate a hidden transmitter.

To use APRS for DFing, each station having a bearing report or a signal strength on the target, simply enters that bearing using the OPS-DF command. His station will then not only report his location, but also a line of bearing or signal strength contour. All stations running APRS can simply hit the X key to display the intersection of these bearing lines. Further, if a DF vehicle has a GPS or LORAN device on board, he can be tracked and directed right to the location of the target. There is an optional Doppler DF registration for direct connection of a Roanoke or Doppler Systems DF unit for automatically plotting and transmitting instantaneous DF bearings. Please note that APRS uses 360 degrees for North and 0 to indicate a signal strength report. For more DF info, see the DF.txt file.

WEATHER STATION REPORTING: APRS position reports can also include the wind speed and direction, as well as other important weather conditions. APRS supports a serial interface option to the ULTIMETER-II home weather station. With this interface, your station includes WX conditions in your position report for display at all other stations in the network. All weather stations show up as a bright blue circle, with a line indicating wind speed and direction. Remember that APRS uses 360 degrees for North and uses 000 to indicate that no wind direction is available. Each of these stations can be highlighted in turn with a single key stroke, so that all WX reports across the state can be had at a glance. See WX.txt for more information. APRS also has a database of the locations of all the NWS sites in the USA for instant display. APRS can also crunch a file of NWS hourly WX conditions and update all NWS stations on the map. NEW in version 6.2, APRS can set Alarms for WX conditions and any WX reports that exceed those values will send an alarm and show up in RED!

DX CLUSTERS: The positional display and real-time user communications makes APRS an ideal tool for the DX cluster user. Not only does he get to see all DX spots on the map, but by operating in the monitor only mode, he has reduced the overall packet load on the DX cluster. This is a benefit to everyone on the channel. Also the APRS monitoring station will see the SPOT as soon as the first station gets it, rather than later on down the list.

PROTOCOL - Since the objective of APRS is the rapid dissemination of real-time information using packet UI frames, a fundamental precept is that old information is less important than new information. All beacons, position reports, messages and display graphics are redundantly transmitted but at a longer and longer repetition rate. Each new beacon is transmitted immediately, then 20 seconds later. After every transmission, the period is doubled. After ten minutes only six packets have been transmitted. After an hour this results in only 3 more beacons; and only 3 more for the rest of the day! All

transmissions can be turned off using one of the CONTROLS commands. But a transmission can be forced at any time by hitting the X key. For details on the APRS raw packet formats see the PROTOCOL.txt file. The maximum period can be set so that packets are repeated no less often than some maximum period. See CAP.txt.

COMMANDS: In most cases the keyboard is always active. There is a mnemonic relationship between all functions and the appropriate key. For this reason, the PC function keys are avoided. (APRS processing of packets on the air is continuous EXCEPT while waiting for the user response to a prompt. These prompts are surrounded with a blue box). Commands fall in to 3 categories:

SCREENS:

Space Key	- Display map and all station locations
L - Latest beacons	- Displays the latest STATUS BEACON from each station
P - Positions	- Displays a list of all stations reporting positions
A - ALL packet log	- Keeps a chronological log of all beacons and messages
B - BULLETINS	- Keeps a list of all BULLETINS heard
R - Read Mail	- Displays the last 23 lines of messages between stns
D - Digis Used	- Displays the digipeater paths being used by others
H - Heard Log	- Displays packets per hour per station for 24 hours
V - VIEW	- Displays all packets on a scrolling screen

SUB-MENUS:

F1- Help	- Select from a MENU of HELP commands
C - Controls	- Display a one line status of all control states
F - FILES Menu	- For Loading/Saving files, or Replaying tracks
I - Input commands	- Used to input posits, DF info or add OBJECTs to map
O - OPERATIONS	- Several commands for normal operations
M - MAP Functions	- Functions dealing with maps
W - Weather Menu	- Displays the number of beacons per hour per station

TRAFFIC:

T - Traffic	- Displays your incoming and outgoing traffic
S - Send	- Sends traffic to a station
E - Erase	- Erases outgoing traffic lines
K - Kill	- Kills incoming traffic lines

DEMONSTRATION FILE: To see how the APRS system works on our frequency, use FILES-LOAD to load the file called FREQ579.BK. This file contains all the local stations on 145.79 MHz in our area. To see the tracking of the GPS equipped Army/Navy game football run, load the file named FBALL.BK and replay the file named FBALL.HST and select to see only FBALL, or CHASE1. To see the Marine Corps marathon event, load MARATHON.BK and replay the MARATHON.HST file. See Details in README.1st.

HOOKING STATIONS: The yellow circular cursor can be moved to select any station in the system using the arrow keys. On the MAP display move the cursor near any station symbol. Then hit the RETURN key to "hook" the

station. Detail information on that station will be displayed at the bottom of the screen. Alternatively, use the + and - keys to step through each station one by one. You may also use the cursor on the P or L-list to hook a station or object. Once hooked, several functions may be performed:

1. ALL BEACONS - hitting the A key will list all beacons from that station currently in memory.
2. MOVE - performed by moving the cursor to the desired new location and pressing the Insert key. You are then prompted to enter in a new course, speed, comments or time as needed.
3. DELETE - performed by hitting the D key. Removes the station from the position file.
4. UPLINK - transmit the object to all other stations on the net
5. QUIT - quit uplinking the object to the net.
6. KILL - kill the object from all displays in the network
7. ALARM - you can set an alarm on a station which will alert you if that station ever moves its position.
8. TRACK - will cause APRS to always center display on selected station
9. #MARK - By marking a station with the # symbol, only that station will be shown when # is used instead of SPACE BAR for drawing a map. If the * key is pressed, all symbols will be shown on the map, but only the marked symbols (#) will show callsigns.

The hook function also works on the LATEST and POSITION display lists by using the up/down arrow keys. If a position exists, hitting the SHOW key will display the map screen with that station centered on the display. This is useful for finding a station which is far off the currently displayed map range. If a position does not exist, you are given the opportunity to create one.

REPLAY: Since all beacons and position reports are retained, the positions of any moving station can be replayed either from memory or from a file. Tracks are kept in on-line memory until 150 have been saved, and then are saved to a HISTORY file. During REPLAY, use the C command to toggle on and off the display of callsigns, and use the HOME and page keys to center and zoom the map display if the mobile station moves off the screen. During replay, use these single key commands:

- C - CALLsigns on/off
- HOME - Homes map to presently displayed station
- SPACE- Redraws the present map to remove track clutter
- F - Faster. Speeds up playback
- G - Overlays the Civil Air Patrol Search and Rescue grids
- P - Pause

S - Slow. Slows down playback
Q - Quit playback.
PgUp/PgDn - Zoom in and out

FILES: All APRS files are retained in four different sub-directories of
BAKS, LOGS, HSTS, and README. There are several other files used
by the system:

MAPLIST .map - Contains a list of all map files to be used and also the
default LAT/LONG, Range and GMT offset for your location
BACKUP .BK - Automatic backup of system every time program is quit. This
file is overwritten every time the program is quit. It can
be reloaded by simply indicating the letter B for a filename.
RESTORE.TNC - A list of the TNC commands used to restore your TNC after
quitting APRS.
NWSDATA.DAT - A sample file used to load National Weather Service data
NWSPOSNS.DAT - A file of the locations of all NWS sites
CAPGRIDS.DAT - A file of the Civil Air Patrol Sectional Aeronautical charts
DXCALLS.DAT - Callsign prefix-to-LAT/LONG database for DX spots
MAPFIX.BAS - A very comprehensive Qbasic program that can be used to fix,
draw, and modify APRS maps!

CHESSBOARD: To demonstrate the flexibility of APRS in reporting the movement
of objects on screens in a net, I have drawn a chessboard map in the center
of the Gulf of Mexico. Any two stations can play chess easily using APRS by
placing pieces on the map using the INPUT-ADD command and updating their
positions using the cursor and INSert keys! The full 32 pieces are already
loaded and saved in CHESS.BK. To move a piece, first enable it for uplinking
using the U key on the P-list. Then move the cursor and hit the INSert key.
Once the other station sees your move, and makes his next move, it is a good
idea to Quit the uplinking of that piece using the Q key on the P-list to
minimize channel traffic. Monitoring stations that have also zoomed into the
chessboard will see the game progress too!

From DJVelez@aol.com Fri Dec 23 08:25:09 1994

Return-Path: <DJVelez@aol.com>

Received: from mail04.mail.aol.com by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rLAvb-0000PHC; Fri, 23 Dec 94 08:25 CST

Received: by mail04.mail.aol.com

(1.38.193.5/16.2) id AA06491; Fri, 23 Dec 1994 09:22:03 -0500

Date: Fri, 23 Dec 1994 09:22:03 -0500

From: DJVelez@aol.com

Message-Id: <941223092201_5493828@aol.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2] Need help wit...

I have passed your query along to Bob...

73 de Dan N4WZR

From DJVelez@aol.com Fri Dec 23 08:41:56 1994

Return-Path: <DJVelez@aol.com>
Received: from mail04.mail.aol.com by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rLBBq-0000ymC; Fri, 23 Dec 94 08:41 CST
Received: by mail04.mail.aol.com
(1.38.193.5/16.2) id AA08789; Fri, 23 Dec 1994 09:38:50 -0500
Date: Fri, 23 Dec 1994 09:38:50 -0500
From: DJVelez@aol.com
Message-Id: <941223093848_5502140@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:8] Re: Need help...

To clarify: I passed Bob's INTERNET address query along to him. I know he has one at work, but he may want to use another for these discussions...

73 de Dan N4WZR

From klarson@access.digex.net Fri Dec 23 09:06:50 1994
Return-Path: <klarson@access.digex.net>
Received: from access1.digex.net by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rLBZw-00013qC; Fri, 23 Dec 94 09:06 CST
Received: by access1.digex.net id AA26178
(5.67b8/IDA-1.5 for APRSSIG <aprssig@tapr.org>); Fri, 23 Dec 1994 10:06:41 -0500
Date: Fri, 23 Dec 1994 10:06:41 -0500 (EST)
From: Kent Larson <klarson@access.digex.net>
To: APRSSIG <aprssig@tapr.org>
Cc: Keith Sproul <akasbb1@peabody.sct.ucarb.com>
Subject: MacAPRS to OS/2?
Message-Id: <Pine.SUN.3.91.941223095932.25658A-100000@access1.digex.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Keith,

Now that you have a PowerPC version I was wondering if it is possible to port to the OS/2 platform. I have been running OS/2 on a 486 for over a year and would LOVE to have APRS in native OS/2.

Thanks for starting this SIG.

Happy Holiday's to all!

From JEYESAF@f2groups.fsd.jhuapl.edu Fri Dec 23 11:25:21 1994
Return-Path: <JEYESAF@f2groups.fsd.jhuapl.edu>
Received: from mailer.jhuapl.edu by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rLDjy-0000qWC; Fri, 23 Dec 94 11:25 CST
Received: from fsdsmtpgw.jhuapl.edu by mailer.jhuapl.edu (5.65/DEC-Ultrix/4.3)
id AA28046; Fri, 23 Dec 1994 12:25:15 -0500
Received: by fsdsmtpgw.fsd.jhuapl.edu with Microsoft Mail
id <2EFB3296@fsdsmtpgw.fsd.jhuapl.edu>; Fri, 23 Dec 94 12:27:02 PST
From: "Jeyes, Arthur F. (Art)" <JEYESAF@f2groups.fsd.jhuapl.edu>
To: aprssig@tapr.org
Subject: APRS/TNC Compatability
Date: Fri, 23 Dec 94 10:04:00 PST
Message-Id: <2EFB3296@fsdsmtpgw.fsd.jhuapl.edu>

Encoding: 6 TEXT
X-Mailer: Microsoft Mail V3.0

Was wondering if anyone could tell me what the TNC requirements are for APRS? Does it work in KISS mode? does it work with all types (i.e.: AEA, KAM) ? That type of information ... Thanks

Art.Jeyes -- AA3GU
Art.Jeyes@jhuapl.edu
From griff@SSD.intel.com Fri Dec 23 12:59:11 1994
Return-Path: <griff@SSD.intel.com>
Received: from SSD.intel.com by dptspd.sat.datapoint.com with smtp (Smail3.1.29.1 #5) id m0rLFCn-0000ktC; Fri, 23 Dec 94 12:59 CST
Received: from bungee.SSD.intel.com by SSD.intel.com (4.1/SMI-4.1) id AA10133; Fri, 23 Dec 94 10:59:00 PST
Received: by bungee.SSD.intel.com (4.1/SMI-4.1) id AA10389; Fri, 23 Dec 94 10:58:56 PST
From: Thomas Griffin - x7792 <griff@SSD.intel.com>
Message-Id: <9412231858.AA10389@bungee.SSD.intel.com>
Subject: Re: [APRSSIG:11] APRS/TNC Compatability
To: aprssig@tapr.org
Date: Fri, 23 Dec 1994 10:58:55 -0800 (PST)
Cc: griff@SSD.intel.com (Thomas Griffin - x7792)
In-Reply-To: <2EFB3296@fsdsmtpgw.fsd.jhuapl.edu> from "Jeyes, Arthur F." at Dec 23, 94 11:29:00 am
X-Mailer: ELM [version 2.4 PL21]
Content-Type: text
Content-Length: 633

> Was wondering if anyone could tell me what the TNC requirements are for
> APRS? Does it work in KISS mode? does it work with all types (i.e.: AEA,
> KAM) ? That type of information ... Thanks
>
> Art.Jeyes -- AA3GU
> Art.Jeyes@jhuapl.edu

APRS does not use KISS. It uses the "normal" converse/terminal (or whatever it is called) mode. The program lets you select AEA, KAM and TAPR TNCs. I've used it with an AEA PK-232MBX and a MFJ-1270B (TAPR). For the MFJ I had to give the TNC the AWLEN 8 and PARITY 0 commands with a terminal program then power cycled the TNC before running APRS.

73, Griff, N7ZKL
griff@ssd.intel.com
From Sam_Lipson@berlex.com Fri Dec 23 18:04:30 1994
Return-Path: <Sam_Lipson@berlex.com>
Received: from fw.berlex.com by dptspd.sat.datapoint.com with smtp (Smail3.1.29.1 #5) id m0rLJyF-0001TEC; Fri, 23 Dec 94 18:04 CST
Received: by fw.berlex.com (4.1/SMI-4.1) id AA07452; Fri, 23 Dec 94 16:07:10 PST
Received: from sv.berlex.com(193.202.128.118) by gw.berlex.com via smap (V1.3) id sma007447; Fri Dec 23 16:03:49 1994

Received: from ccgate by sv.berlex.com; (5.65/1.1.8.2/07Dec94-0206PM)
id AA04881; Fri, 23 Dec 1994 15:59:24 -0800
Received: from ccMail by ccgate.berlex.com
(IMA Internet Exchange v1.04) id efb63c70; Fri, 23 Dec 94 15:56:55 -0800
Mime-Version: 1.0
Date: Fri, 23 Dec 1994 15:56:33 -0800
Message-Id: <efb63c70@ccgate.berlex.com>
Return-Receipt-To: Sam_Lipson@berlex.com (Sam Lipson)
From: Sam_Lipson@berlex.com (Sam Lipson)
Subject: Re: [APRSSIG:12] Re: APRS/TNC Compatability
To: aprssig@tapr.org
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

For a Kam, the specific commands necessary (at least for MacAPRS) are:

MCOM OFF
MRESP OFF
HEADERLN OFF
MSTAMP OFF

73, de Sam, K06JR
Sam_Lipson@Berlex.Com
From klarson@access.digex.net Thu Dec 29 10:28:29 1994
Return-Path: <klarson@access.digex.net>
Received: from access4.digex.net by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rNNiG-00013UC; Thu, 29 Dec 94 10:28 CST
Received: by access4.digex.net id AA10180
(5.67b8/IDA-1.5 for APRSSIG <aprssig@tapr.org>); Thu, 29 Dec 1994 11:27:46 -0500
Date: Thu, 29 Dec 1994 11:27:45 -0500 (EST)
From: Kent Larson <klarson@access.digex.net>
To: APRSSIG <aprssig@tapr.org>
Subject: Is this SIG alive?
Message-Id: <Pine.SUN.3.91.941229112630.10111A-100000@access4.digex.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello,

I have not been getting any messages from this SIG and I was wondering if
it was still up and running.

Happy New Year!
From cll4@Ra.MsState.Edu Thu Dec 29 15:33:19 1994
Return-Path: <cll4@Ra.MsState.Edu>
Received: from Tut.MsState.Edu by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rNSTE-0000juC; Thu, 29 Dec 94 15:33 CST
Received: from Isis.MsState.Edu (cll4@Isis.MsState.Edu [130.18.80.11]);
by Tut.MsState.Edu using SMTP (8.6.9/6.5m-FWP);
id PAA28299; Thu, 29 Dec 1994 15:33:10 -0600
From: Craig Ladane Lindsey <cll4@Ra.MsState.Edu>
Received: (cll4@localhost);

by Isis.MsState.Edu (8.6.8.1/6.0c-FWP);
id PAA07458; Thu, 29 Dec 1994 15:33:08 -0600
Message-Id: <199412292133.PAA07458@Isis.MsState.Edu>
Subject: Subscribe
To: aprssig@tapr.org
Date: Thu, 29 Dec 1994 15:33:07 -0600 (CST)
X-Mailer: ELM [version 2.4 PL22]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Length: 432

I would like to subscribe to the aprs list...

Thanks,
Craig
c1l4@ra.msstate.edu

Craig Lindsey - KC5AUG | My politics are simple: Always go right. If
Internet: c1l4@ra.msstate.edu| you go left, you can never go right, and if
Office Phone : (601)325-8553 | you go right, you never go wrong. -Grizzard
WWW page: <http://www2.msstate.edu/~c1l4/>
From rtomo@i-2000.com Thu Dec 29 20:55:54 1994
Return-Path: <rtomo@i-2000.com>
Received: from i-2000.com by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rNXVQ-0000qaC; Thu, 29 Dec 94 20:55 CST
Received: from (rtomo.i-2000.com) by i-2000.com (4.1/SMI-4.1)
id AA15955; Thu, 29 Dec 94 21:54:42 EST
Date: Thu, 29 Dec 94 21:54:41 EST
Message-Id: <9412300254.AA15955@i-2000.com>
From: rtomo@i-2000.com
To: aprssig@tapr.org
Subject: HF Gateways
X-Mailer: AIR Mail 3.X (SPRY, Inc.)

To Whom it May Concern:

I am running the installation figured below. I am trying to
gateway the HF & VHF stations with APRS system. Can anyone tell me
what hardware/software is necessary to complete this task? All my other
Ham Radio Interfaces can be dual & triple ported except APRS.

Also, does anyone know how to get APRS program to run in
windows while minimized like all my other Ham Radio software (NOS,
Lan-Link, XPCOM, etc.)?

Please HELP!!!

Thanks,
73, Ron
KE2UK

Please reply to: rtomo@i-2000.com on EMAIL only. Tnx.

```
-----
| Rotatable
| Dipole
|
| 10.1515 LSB
|
=====
| KNWD 440S |
=====
| HF
|
=====
| AEA
| PK232MBX | COM2
=====

-X-X-X-X-X-X-X-X-X-X-
| 2 Meter
| Beam
| 145.79
|
|
=====
| APRS62A
| System
| Running under
| Windows 3.1
|
=====
| Yaesu
| 230R
|
=====
| VHF
|
=====
| 386 DX 33 MHz. w/ co-proc
| 8 MB RAM,800MB Disk,SVGA
|
=====
| AEA
| PK-88
|
=====
| 0
|
M 1
```

~~~~~  
Ronald A. Tomo, M.P.A., C.S.P.  
Project Coordinator, Information Services, EHS  
Res. (718) 251-1986 Voice & FAX - Off. (516) 228-6273  
Internet: rtomo@i-2000.com        &        ke2uk@panix.com  
Compuserve: 71615,1330  
~~~~~

From gjones@tenet.edu Thu Dec 29 21:56:06 1994
Return-Path: <gjones@tenet.edu>
Received: from Alice-Thurman.tenet.edu by dptspd.sat.datapoint.com with smtp
 (Smail3.1.29.1 #5) id m0rNYRY-0001QKC; Thu, 29 Dec 94 21:55 CST
Received: (from gjones@localhost) by Alice-Thurman.tenet.edu (8.6.9/8.6.9) id
VAA17396; Thu, 29 Dec 1994 21:55:56 -0600
From: Greg Jones <gjones@tenet.edu>
Message-Id: <199412300355.VAA17396@Alice-Thurman.tenet.edu>
Subject: TAPR Listserv
To: bbssig@tapr.org (BBS SIG mailing), netsig@tapr.org (NETSIG mailing),
 aprssig@tapr.org, tapr-bb@tapr.org (TAPR-BB mailing),
 tapr-board@tapr.org (TAPR Board)
Date: Thu, 29 Dec 1994 21:55:55 -0600 (CST)
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 725

Hi TAPR Internet folks.

As you may have noticed, your incoming e-mail box has been filled up with a batch of mail from the TAPR info server.

During the Xmas holidays and system hosed up and with our sysop gone out of town it has just now been corrected.

Thanks for the many messages I received letting us know we had a problem.

Shortly we will be moving to our final home and more than one person will have access to the system, which should allow quicker response to these type of problems when Lee is unavailable.

I would like to thank Lee, N5LYT for his terrific support on the system. Without his help to date, the TAPR info server would not be as well managed as it is currently.

Happy New Years everyone.

Greg

From klarson@access.digex.net Thu Dec 29 22:09:06 1994
Return-Path: <klarson@access.digex.net>
Received: from access3.digex.net by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rNYeF-0000oMC; Thu, 29 Dec 94 22:09 CST
Received: by access3.digex.net id AA23976
(5.67b8/IDA-1.5 for aprssig@tapr.org); Thu, 29 Dec 1994 23:09:00 -0500
Date: Thu, 29 Dec 1994 23:09:00 -0500 (EST)
From: Kent Larson <klarson@access.digex.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:16] HF Gateways
In-Reply-To: <9412300254.AA15955@i-2000.com>
Message-Id: <Pine.SUN.3.91.941229230606.23740B-100000@access3.digex.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I can't help you with HF but I have the same problem running APRS in a background session under OS/2. APRS is the only program I have that will not run in the background and I have not been able to solve the problem even after posting to all the boards and services I can think of. Bob uses screen modes 8 and 9 I think. I have a feeling it all has something to do with updating the screen.

Thought I'd just let you know someone else was having a similar problem.

On Thu, 29 Dec 1994 rtomo@i-2000.com wrote:

> To Whom it May Concern:

>

> I am running the installation figured below. I am trying to
> gateway the HF & VHF stations with APRS system. Can anyone tell me
> what hardware/software is necessary to complete this task? All my other
> Ham Radio Interfaces can be dual & triple ported except APRS.

>

> Also, does anyone know how to get APRS program to run in
> windows while minimized like all my other Ham Radio software (NOS,
> Lan-Link, XPCOM, etc.)?

>

> Please HELP!!!

>

```

> Thanks,
> 73, Ron
> KE2UK
>
> Please reply to:      rtomo@i-2000.com      on EMAIL only. Tnx.
>
>
> -----
>                                     -x-x-x-x-x-x-x-x-x--
>      | Rotatable                                     | 2 Meter
>      | Dipole                                       | Beam
>      |                                             | 145.79
>      | 10.1515 LSB   =====
>      |               |   APRS62A   |               |
>      |=====|       |   System   |       |=====|
>      |KNWD 440S |   | Running under |       | Yaesu |
>      |=====|   | Windows 3.1   |       | 230R |
>      |HF       |   |               |       |=====|
>      |         |   |=====|=====|       |VHF
>      |=====|   |=====|=====|       |=====|
>      | AEA     |-----| 386 DX 33 MHz. w/ co-proc|--| AEA |
>      | PK232MBX | COM2  | 8 MB RAM,800MB Disk,SVGA |C | PK-88 |
>      |=====|       |=====|=====|0  =====|
>                                     M 1
>
>
> ~~~~~
> Ronald A. Tomo, M.P.A., C.S.P.
> Project Coordinator, Information Services, EHS
> Res. (718) 251-1986 Voice & FAX - Off. (516) 228-6273
> Internet: rtomo@i-2000.com      &      ke2uk@panix.com
> Compuserve: 71615,1330
> ~~~~~
>
>
>

```

```

From billh@INS.INFONET.NET Fri Dec 30 10:58:53 1994
Return-Path: <billh@INS.INFONET.NET>
Received: from INS.INFONET.NET by dptspd.sat.datapoint.com with smtp
      (Smail3.1.29.1 #5) id m0rNkFD-0000EUC; Fri, 30 Dec 94 10:58 CST
Received: by INS.INFONET.NET (MX V4.1 AXP) id 33; Fri, 30 Dec 1994 11:00:11 CST
Date: Fri, 30 Dec 1994 11:00:11 CST
From: "John W. (Bill) Hays, W00MV" <billh@INS.INFONET.NET>
To: aprssig@tapr.org
Message-ID: <00989B5C.FB48450E.33@INS.INFONET.NET>
Subject: MacAPRS

```

I hv downloaded the Mac version frm ucsd.edu TNX, Keith and Mark.
 I am unable to get it to place icons or anything on a map automatically.
 I can do it manually via the EDIT/ADD/STATION item, but nothing appears
 after rcpt of data that shows up in the text box at the bottom of the
 window from a station.
 Anyone have any ideas?
 I run a Max IIvx 5 Mb RAM, I've killed all DA's control panels, etc
 except for CD ROM stuff I think might be needed to use the callbook
 lookup feature which does work. Santa back ordere4d an additional 4 Meg of

RAM, so tt will help, I think. But doubt if tt is reason for no display of even a dot icon on maps.

TNX

It is also an unregistered version! I'll be happy to send in the shareware fee if I am assured I can get it running.

TNX again for the programming work!

73

From kevin.jessup@mail.mei.com Fri Dec 30 14:59:31 1994

Return-Path: <kevin.jessup@mail.mei.com>

Received: from mail.mei.com by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rNoQ4-0000PpC; Fri, 30 Dec 94 14:59 CST

Received: from jessup (151.186.1.181)
by meipws.mis.mei.com (PMDf V4.3-11 #5043) id
<01HL9BIDI18W8WW02M@meipws.mis.mei.com>; Fri, 30 Dec 1994 14:57:26 -0500 (CDT)

Date: Fri, 30 Dec 1994 14:59:14 -0600

From: kevin.jessup@mail.mei.com (Kevin Jessup)

Subject:

X-Sender: jessupkp@meipws.mis.mei.com

To: aprssig@tapr.org

Message-id: <01HL9BIDK6EQ8WW02M@meipws.mis.mei.com>

MIME-version: 1.0

X-Mailer: Windows Eudora Version 1.4.3b4

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7BIT

SUBSCRIBE

kevin.jessup@mail.mei.com "It is dangerous to put limits on wireless."
marquette electronics inc Guglielmo Marconi, 1932
milwaukee, wi 53223
LIVE FREE OR DIE! N9SQB ARRL

From klarson@access.digex.net Fri Dec 30 22:34:54 1994

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Received: from access4.digex.net by dptspd.sat.datapoint.com with smtp
(Smail3.1.29.1 #5) id m0rNvWn-0000ccC; Fri, 30 Dec 94 22:34 CST

Received: by access4.digex.net id AA27381
(5.67b8/IDA-1.5 for aprssig@tapr.org); Fri, 30 Dec 1994 23:34:50 -0500

Date: Fri, 30 Dec 1994 23:34:49 -0500 (EST)

From: Kent Larson <klarson@access.digex.net>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:19] MacAPRS

In-Reply-To: <00989B5C.FB48450E.33@INS.INFONET.NET>

Message-Id: <Pine.SUN.3.91.941230233331.27054B-100000@access4.digex.net>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I am not a Mac user but it sounds like you may not be receiving APRS packets. You might check and make sure you are on an APRS frequency - we use 145.79.

On Fri, 30 Dec 1994, John W. (Bill) Hays, WOOMV wrote:

> I hv downloaded the Mac version frm ucsd.edu TNX, Keith and Mark.
> I am unable to get it to place icons or anything on a map automatically.
> I can do it manually via the EDIT/ADD/STATION item, but nothing appears
> after rcpt of data that shows up in the text box at the bottom of the
> window from a station.
> Anyone have any ideas?
> I run a Max IIvx 5 Mb RAM, I've killed all DA's control panels, etc
> except for CD ROM stuff I think might be needed to use the callbook
> lookup feature which does work. Santa back ordere4d an additional 4 Meg of
> RAM, so tt will help, I think. But doubt if tt is reason for no display
> of even a dot icon on maps.
> TNX
> It is also an unregistered version! I'll be happy to send in the shareware
> fee if I am assured I can get it running.
> TNX again for the programming work!
> 73
>

From billh@INS.INFONET.NET Sat Dec 31 02:18:49 1994

Return-Path: <billh@INS.INFONET.NET>

Received: from INS.INFONET.NET by dptspd.sat.datapoint.com with smtp

(Smail3.1.29.1 #5) id m0rNz1T-0000WTC; Sat, 31 Dec 94 02:18 CST

Received: by INS.INFONET.NET (MX V4.1 AXP) id 53; Sat, 31 Dec 1994 02:20:06 CST

Date: Sat, 31 Dec 1994 02:20:06 CST

From: "John W. (Bill) Hays, WOOMV" <billh@INS.INFONET.NET>

To: aprssig@tapr.org

Message-ID: <00989BDD.7E09BE66.53@INS.INFONET.NET>

Subject: Mac/PK-232 Problem solved

It's too bad the commercial software developers don't provide the level of support that Keith, wu2z, provides both via the INTERNET and then about fifteen minutes after I posted a problem on this SIG he calls me on the phone from his home. I have never had such fantastic support! All for a measley 30 buck shareware fee.

At any rate my problem is solved. The MacAPRS version runs FB after I made one change.

For users of the AEA PK-232(perhaps other AEA products, too) in addition to setting HEADERLINE to OFF and MON = 4, set MSTAMP = OFF. Then set the TNC out of HOST mode. Then start MacAPRS.

With MSTAMP ON it interfered with the decoding of incoming data. I was getting the data OK from the TNC, but it would not display anything on any map.

TNX again Keith!

73,

Bill

From dwhansen@panix.com Sat Dec 31 16:28:51 1994

Return-Path: <dwhansen@panix.com>

Received: from panix.com by dptspd.sat.datapoint.com with smtp

(Smail3.1.29.1 #5) id m0rOCI5-0001M1C; Sat, 31 Dec 94 16:28 CST

Received: by panix.com id AA16432

(5.67b/IDA-1.5 for aprssig@tapr.org); Sat, 31 Dec 1994 17:28:46 -0500
Date: Sat, 31 Dec 94 17:28:46 EST
From: David Hansen <dwhansen@panix.com>
To: aprssig@tapr.org
Subject: Subscribe
Message-Id: <CMM.0.90.0.788912926.dwhansen@panix.com>

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